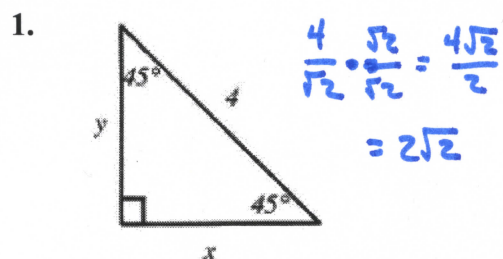


Name ANSWER KEY Period \_\_\_\_\_

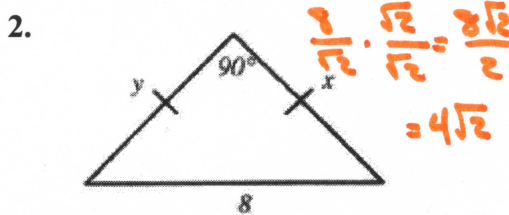
Geometry Unit 7 Worksheet #4 – Special Right Triangles

For #1 - 16, find the missing sides in the special right triangle. You may need to rationalize the denominator!



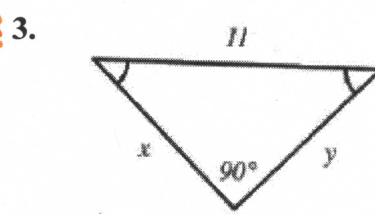
$x = 2\sqrt{2}$

$y = 2\sqrt{2}$



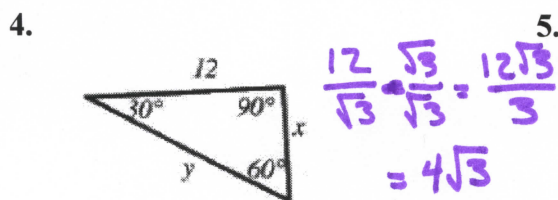
$x = 4\sqrt{2}$

$y = 4\sqrt{2}$



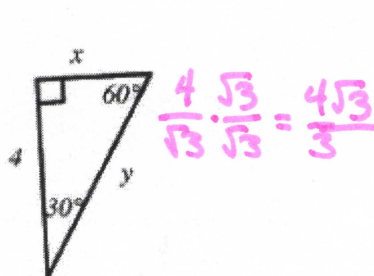
$x = \frac{11\sqrt{2}}{2}$

$y = \frac{11\sqrt{2}}{2}$



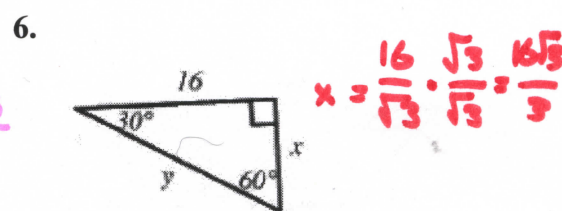
$x = 4\sqrt{3}$

$y = 8\sqrt{3}$



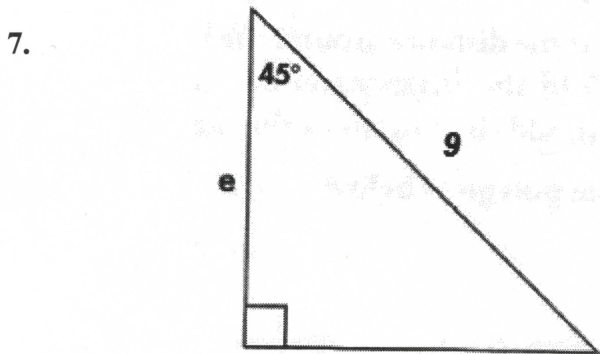
$x = \frac{4\sqrt{3}}{3}$

$y = \frac{8\sqrt{3}}{3}$

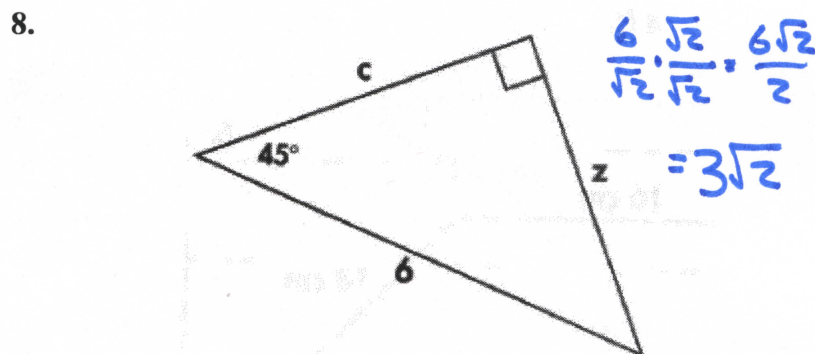


$x = \frac{16\sqrt{3}}{3}$

$y = \frac{32\sqrt{3}}{3}$

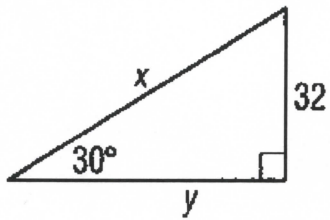


$e = \frac{9\sqrt{2}}{2}$   $f = \frac{9\sqrt{2}}{2}$



$c = 3\sqrt{2}$   $z = 3\sqrt{2}$

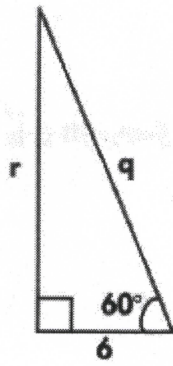
9.



$$x = 64$$

$$y = 32\sqrt{3}$$

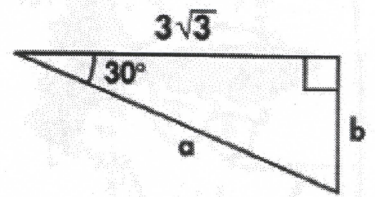
10.



$$r = 6\sqrt{3}$$

$$q = 12$$

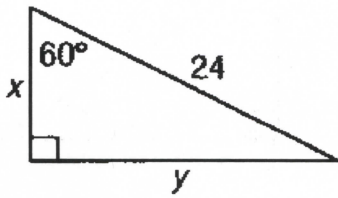
11.



$$a = 6$$

$$b = 3$$

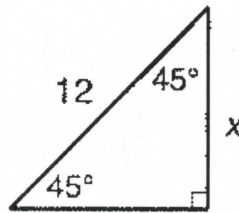
12.



$$x = 12$$

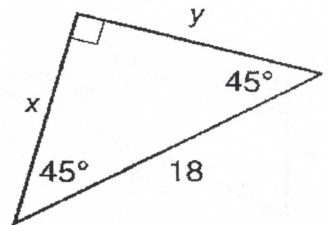
$$y = 12\sqrt{3}$$

13.



$$x = 6\sqrt{2}$$

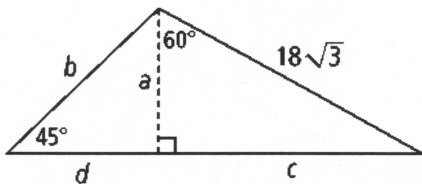
14.



$$x = 9\sqrt{2}$$

$$y = 9\sqrt{2}$$

15.



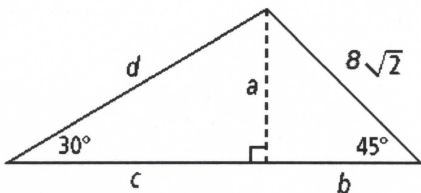
$$a = 9\sqrt{3}$$

$$c = 27$$

$$b = 9\sqrt{6}$$

$$d = 9\sqrt{3}$$

16.



$$a = 8$$

$$c = 8\sqrt{3}$$

$$b = 8$$

$$d = 16$$